

(D) Amendments to the Drawings

The attached sheets of drawings include changes to Figures 9, 18-20. These sheets replace the original sheets including Figures 1-20. The changes aim at correcting the margin and improving the quality of lines and numbering.



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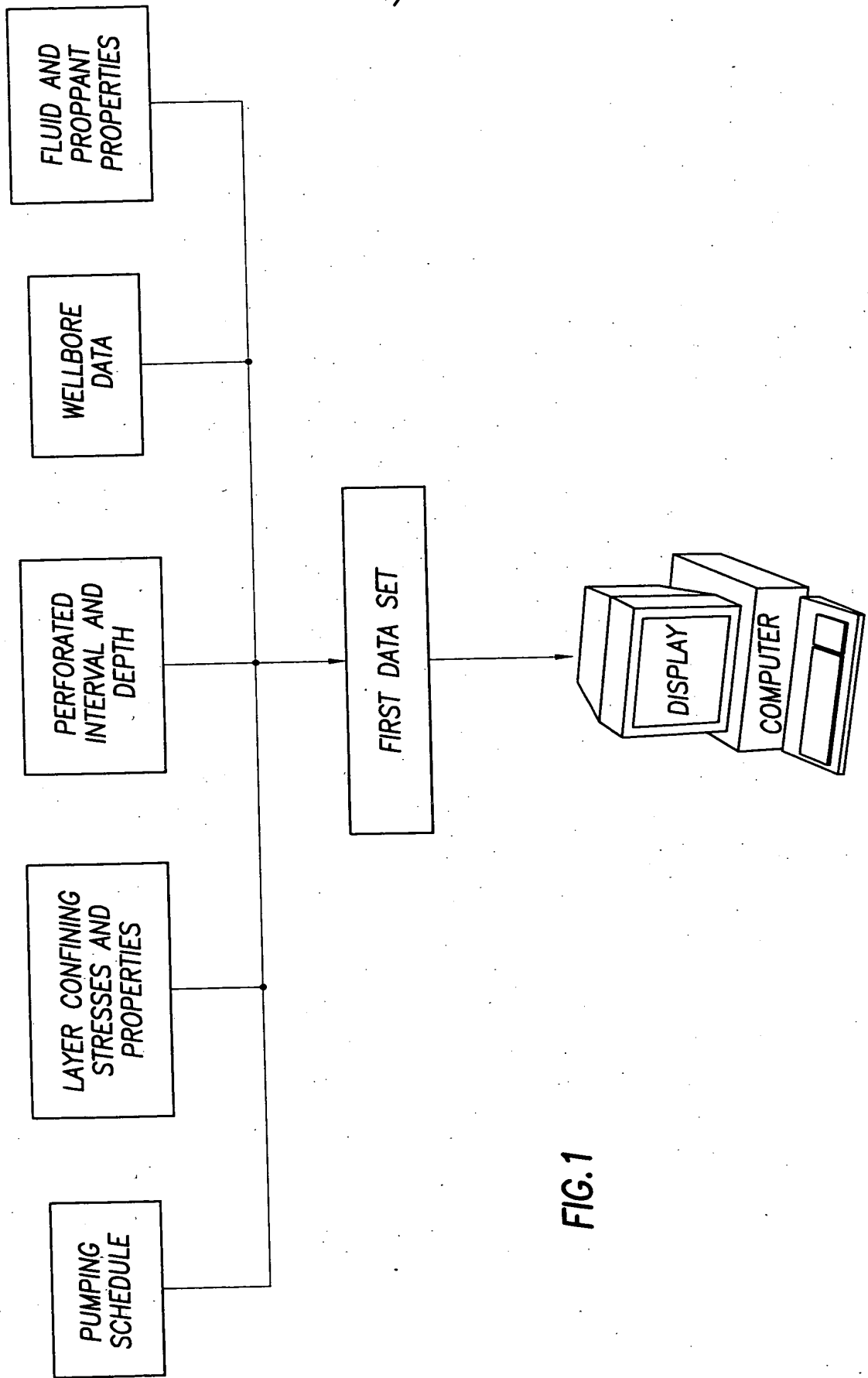


FIG. 1

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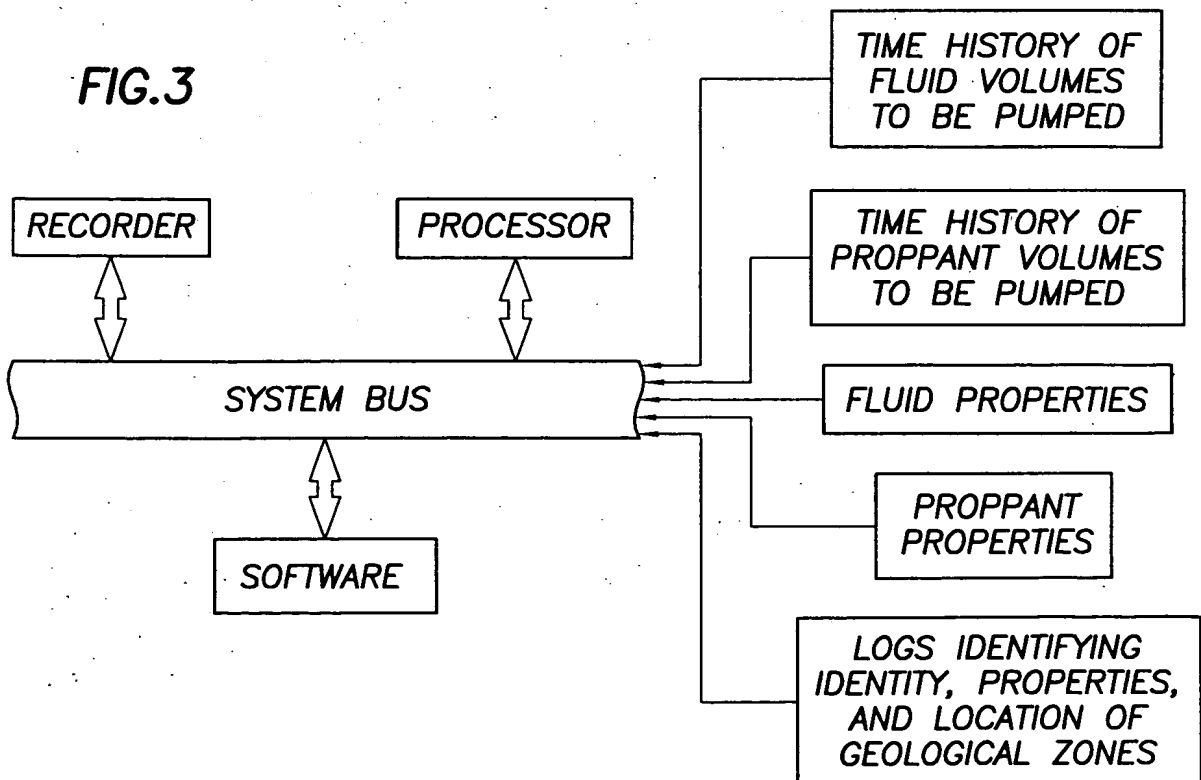
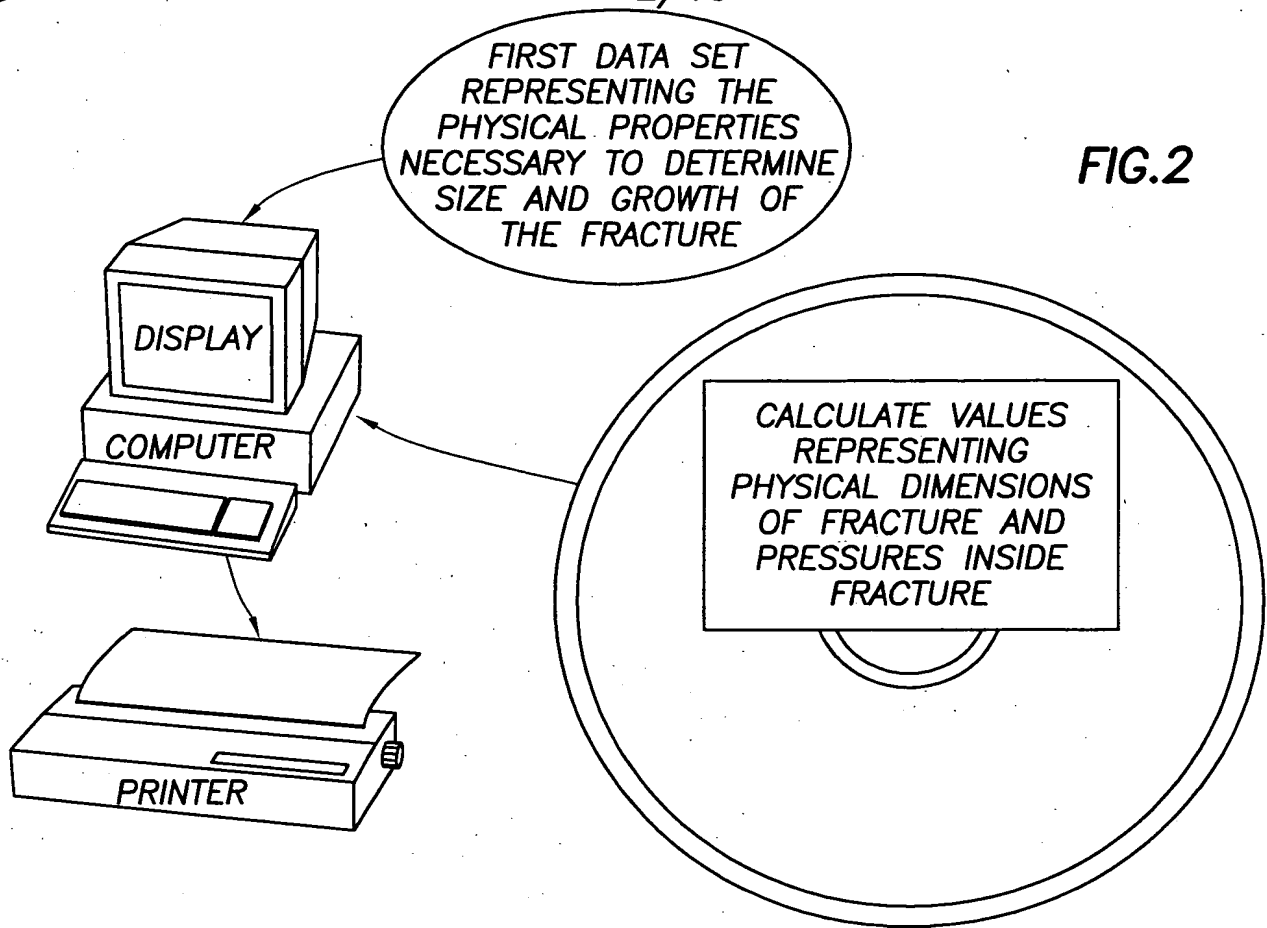
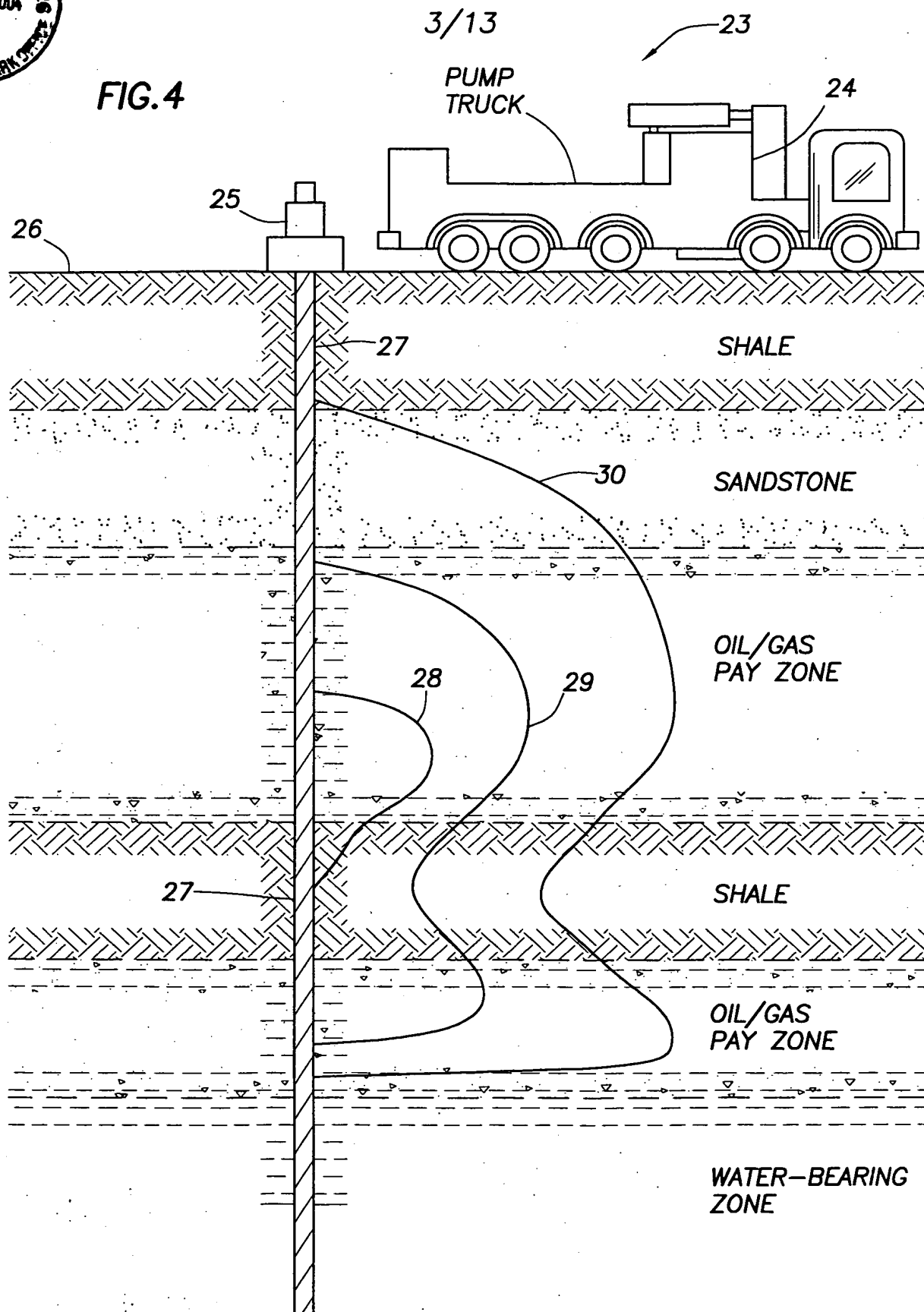




FIG. 4





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FIG.7
(PRIOR ART)

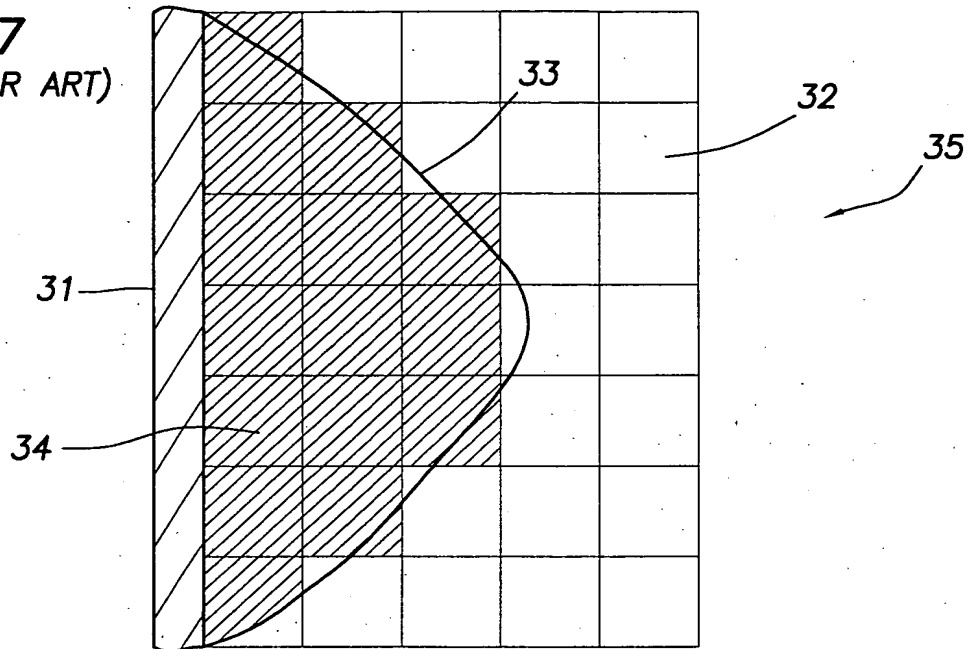


FIG.5

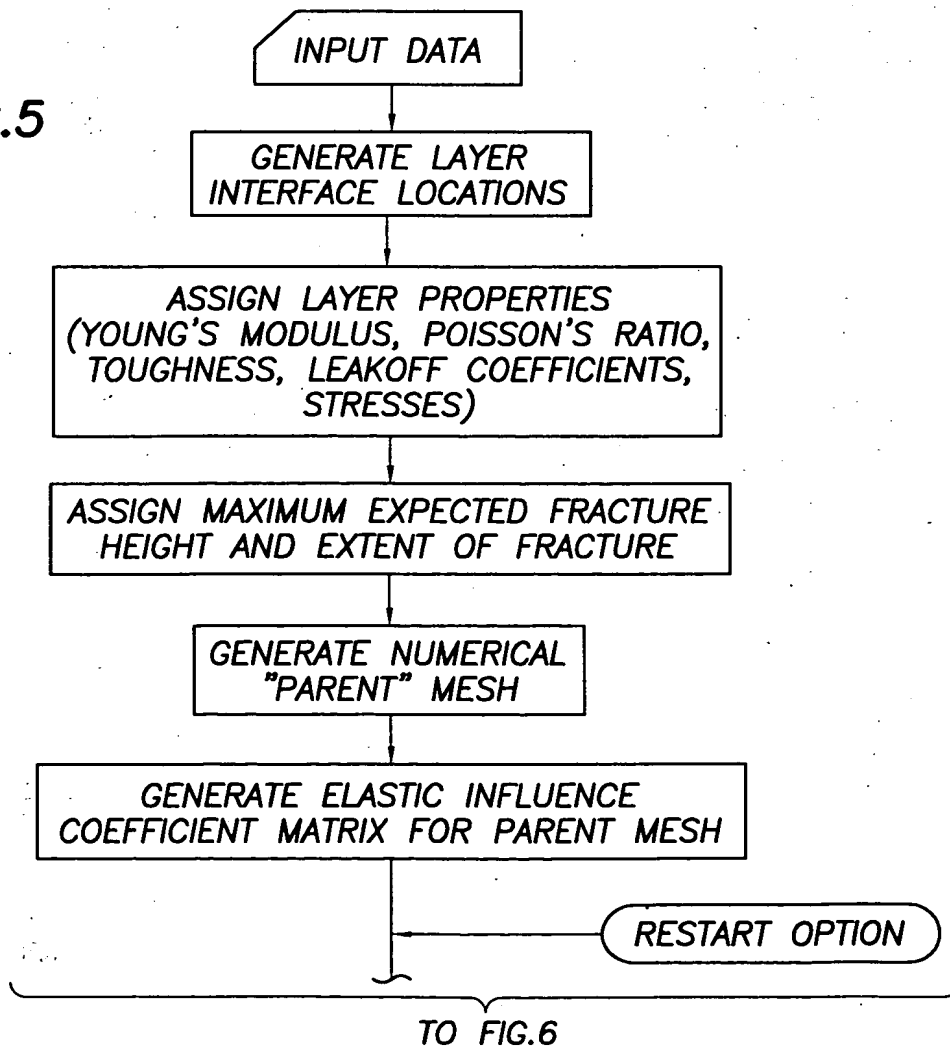
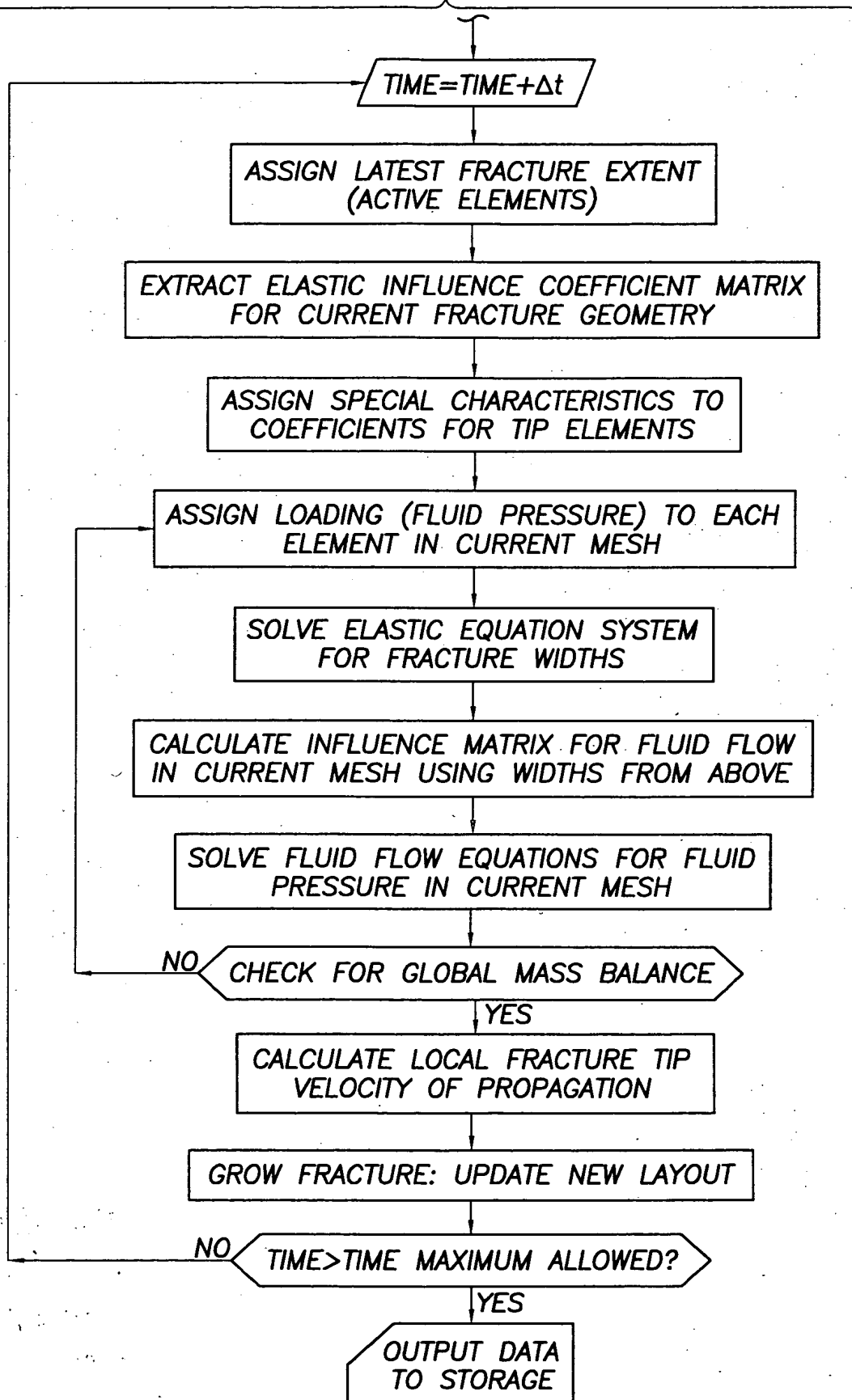




FIG.6

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FROM FIG.5





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FIG.8
(PRIOR ART)

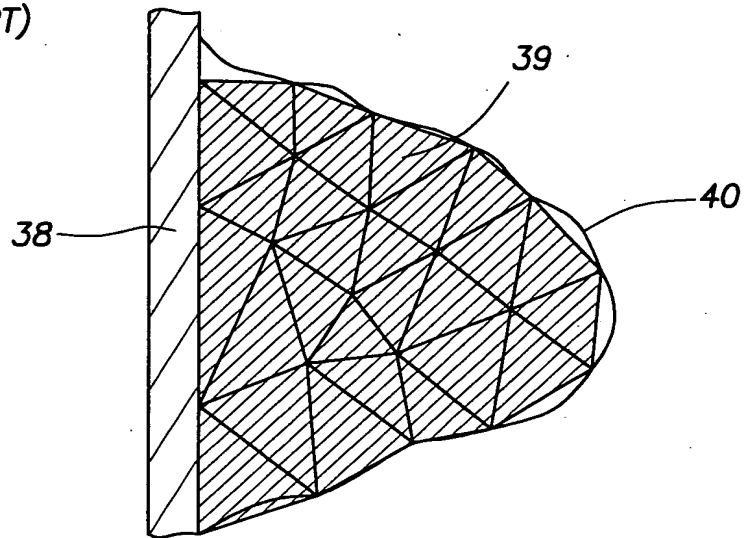
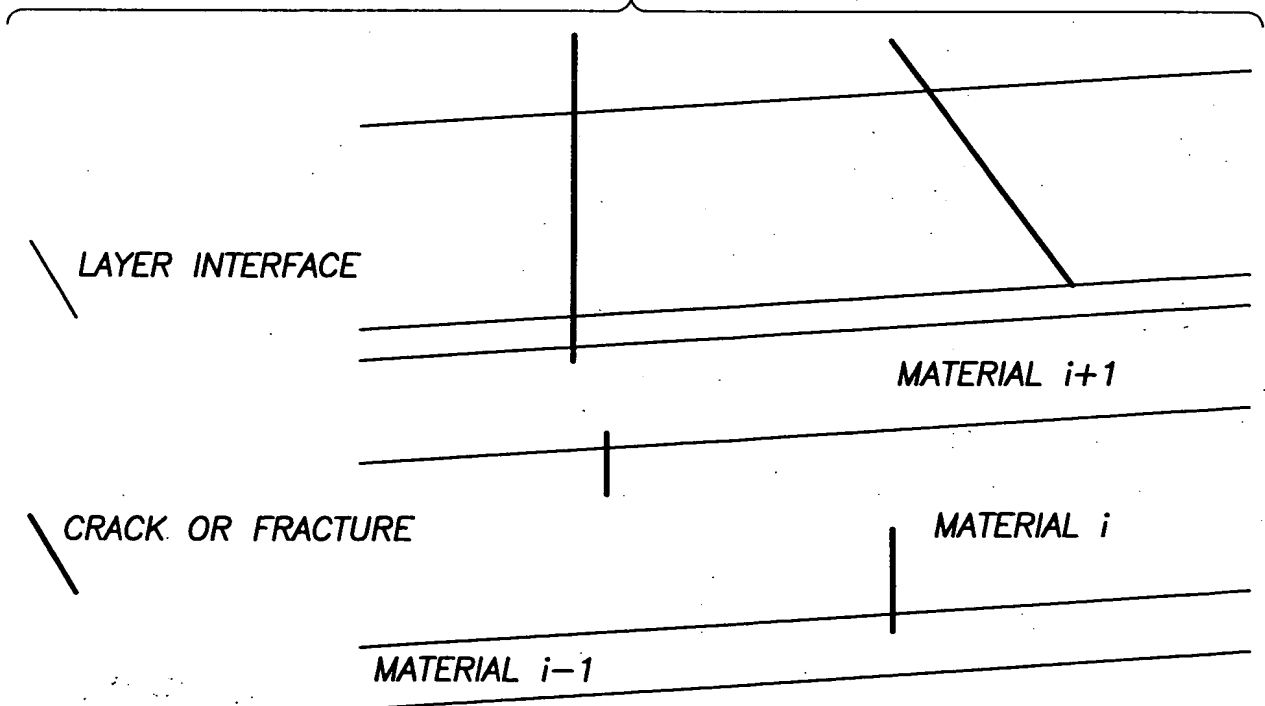


FIG.12



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FIG. 9

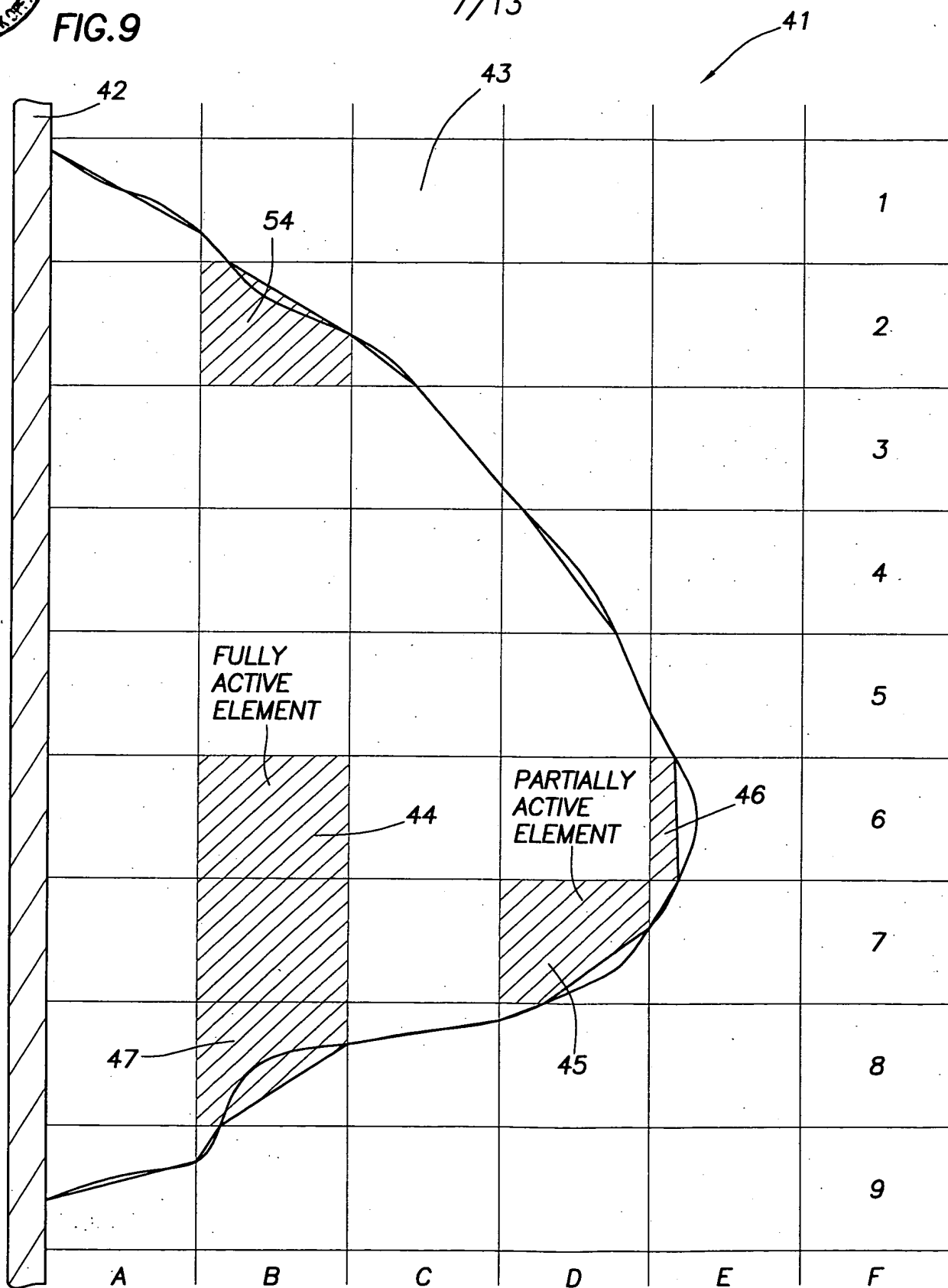


FIG. 10

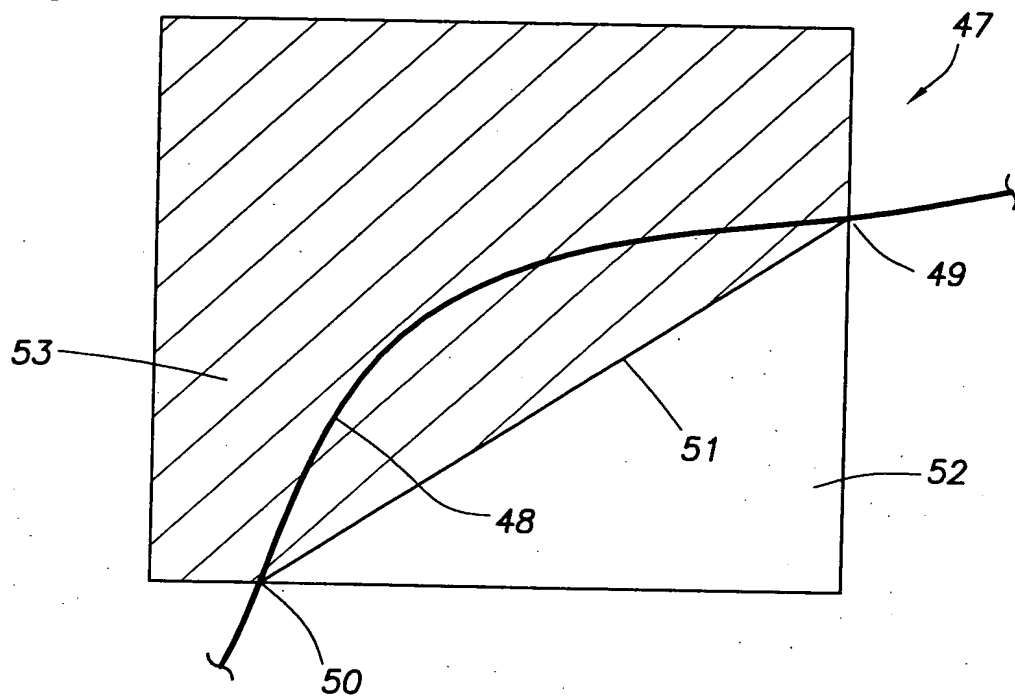
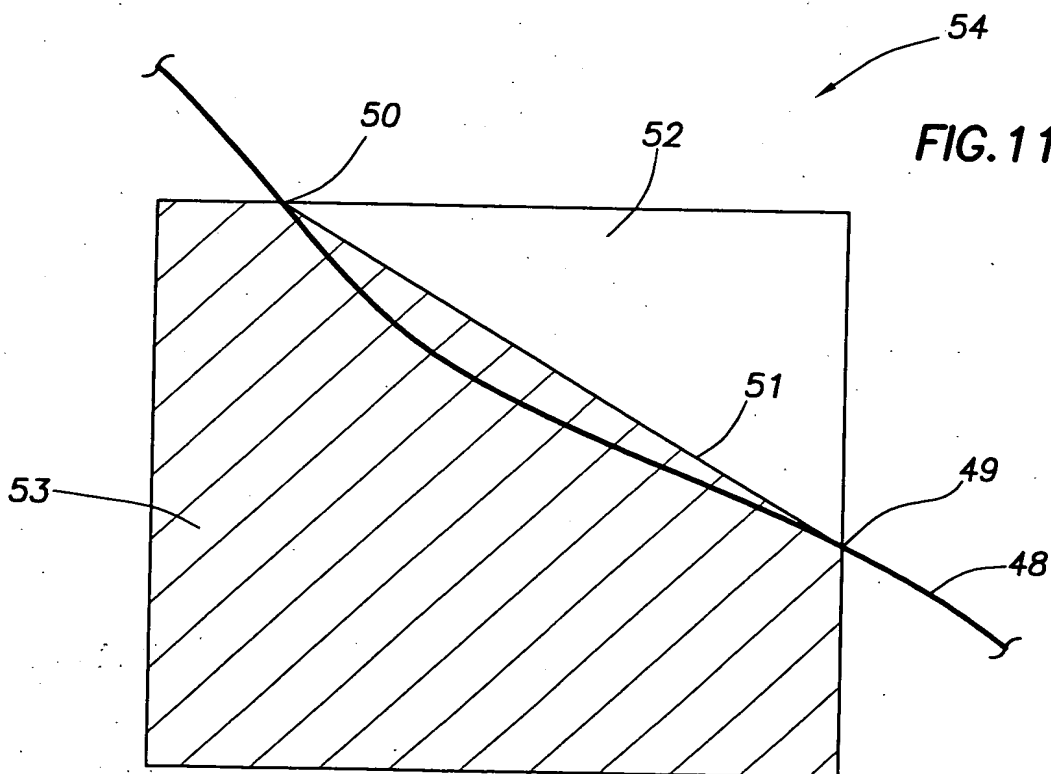


FIG. 11



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FIG. 13

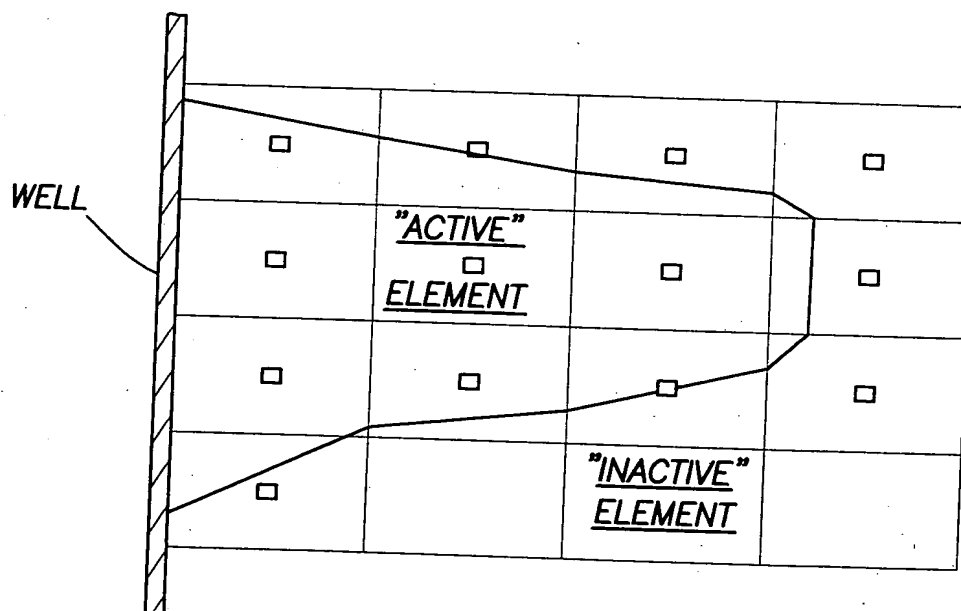
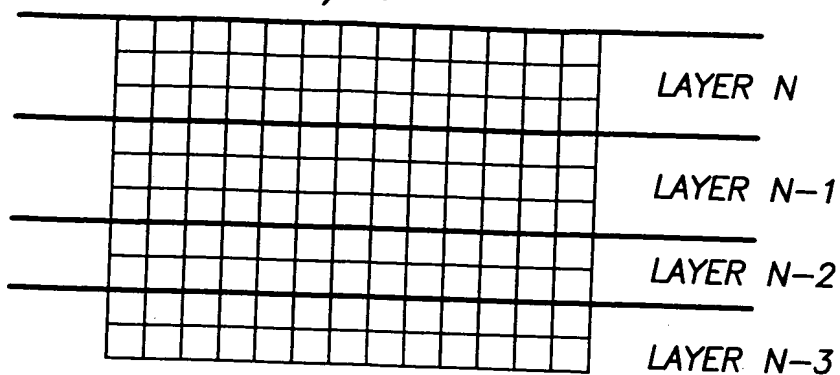
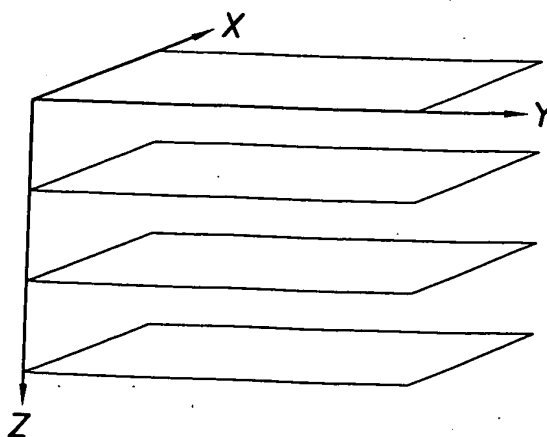


FIG. 14

FIG. 15



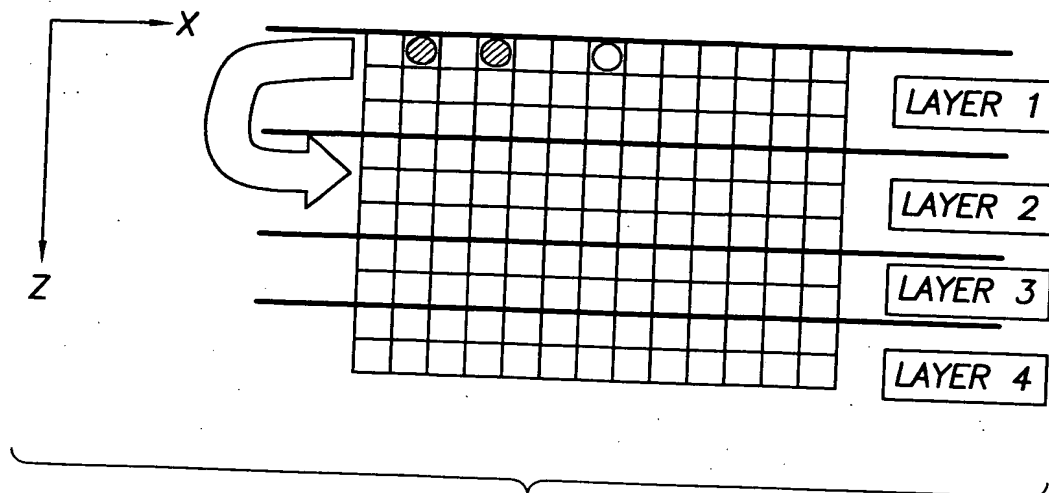
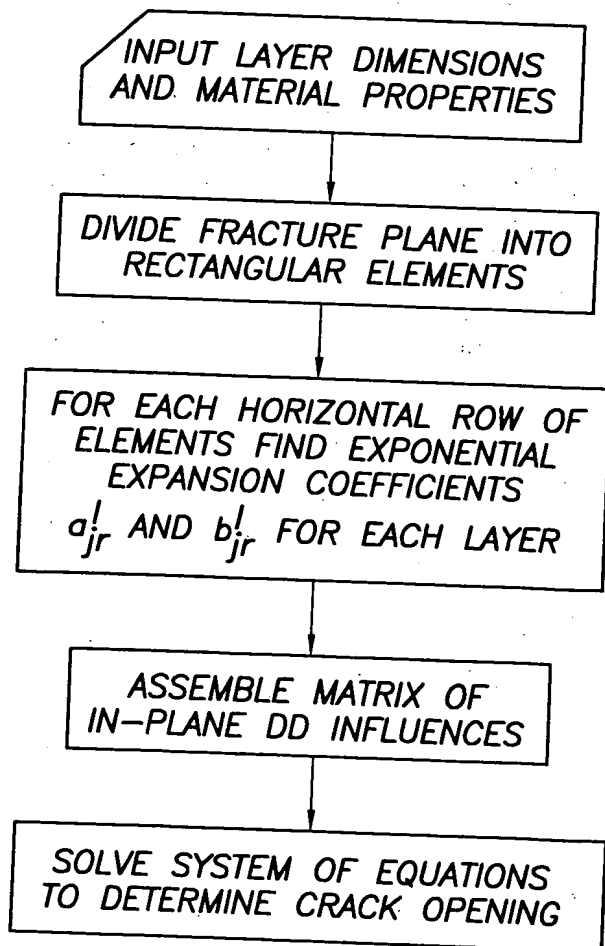
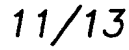


FIG. 16

FIG. 17





Dowell FracCADE - [Zone]			
File Edit View FracCADE General Input Tools Window Help			
?		Untitled	
Admin	Well	Res Fid	Zone Fluid Prop

Single Zone Summary

Description		Zone Index	Zone Name	CLEAN-SANDSTONE	Rock Type	CLEAN-SANDSTONE ▼
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Dimensions		Physical Properties		Edit Parameters Fixed Variable	
Top TVD	4900.0 ft	Porosity	10.0%	TVD	▼
Top MD	4900.0 ft	Permeability	1 md	Shift Direction	▼
Gross Height	100.0 ft	Fracture Gradient	0.626 psi/ft		
Leakoff Height	100.0 ft	Minimum In-situ Stress	3099 psi	New	
Net Height	100.0 ft	Reservoir Pressure	2317 psi	Insert	
Spacing	60 acres	Young's Modulus	5.619E+06 psi	Delete	
		Poisson's Ratio	0.20	Insitu Correlation...	
		Fracture Toughness	1200 psi.in0.5		
		Specific Gravity	2.50		

Saturations		Zone Perforations	
Gas	65.0%	Number	0
Oil	10.0%	Diameter	0.320 in
Water	25.0%		

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FIG. 19

☐ Dowell FracCADE - [Fracturing Fluids]
☐ File ☐ Edit ☐ View ☐ FracCADE General ☐ Input ☐ Tools ☐ Window ☐ Help

☐ Admin ☐ Well ☐ Res Fld ☐ Zone ☐ Un

Description: Index: 2 Name: YF130D

☐ Database Properties

Rheology (Power Law)

n' 0.75
 K $1.20E-2 \text{ lbf.s } n'/\text{ft}^2$
Visc. 65.173 cp
 Θ 170 1/sec

Base Fluid Sp Gr 1.00
Fluid Surface Temp 80 de

Rheology Table

Shear Rate 170 1/sec

Temperature Selection
Temperature 140 degF

Exp. Time hr	n'	k $\text{lbf.s } n'/\text{ft}^2$	Viscosity cp
1	0.1	1.69E-1	352.752
2	0.5	1.23E-1	299.503
3	1.0	8.10E-2	218.570
4	1.5	5.00E-2	183.612
5	2.0	1.80E-2	215.381
6			

☒ Display Constant Rheology Interpolation Parameters
Constant Rheology Interpolation Parameters
Temperature 160 degF Exposure Time 0.0 hr



FIG.20

